



## MPE Test Report

**Report No.:** CPSD-ESH-P25010188B-4

**FCC ID:** 2BRRF-H6028

**Product:** Wireless Speaker Led Lamp

**Model:** H6028A BLK, H6028A WHT, H6028B BLK, H6028B WHT, NCH6028 BLK, NCH6028 WHT, YH6028 BLK, YH6028 WHT

**Received Date:** Jan.07, 2024

**Test Date:** Jan.07 to Feb.24, 2025

**Issued Date:** Feb.25, 2025

**Applicant:** Enchante Accessories

**Address:** 16 East 34th Street ,3rd Fl New York , NY 10016

**Manufacturer:** Ningbo Beslight exp & imp, Co., LTD

**Address:** No 239 Wangshan Road, JiangBei,NingBo,ZheJiang,China

**Issued By:** BUREAU VERITAS ADT (Shanghai) Corporation

**Lab Address:** No. 829, Xinzhuang Road, Shanghai, P.R.China (201612)

**FCC Registration /  
Designation Number:** 176467/ CN1213



Test Lab  
Cert 2343.01

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

## Table of Contents

Release Control Record.....	3
1 Certificate of Conformity .....	4
2 General Information.....	5
2.1 General Description of EUT.....	5
3 RF Exposure .....	7
3.1 Limits for Maximum Permissible Exposure (MPE).....	7
3.2 MPE Calculation Formula.....	7
3.3 MPE Calculation Formula.....	7
3.4 Calculation Result of Maximum Permissible Exposure.....	7



### Release Control Record

Issue No.	Description	Date Issued
CPSD-ESH-P25010188B-4	Original release	Feb.25, 2025



## 1 Certificate of Conformity

**Product:** Wireless Speaker Led Lamp

**Brand:** --

**Model:** H6028A BLK, H6028A WHT, H6028B BLK, H6028B WHT, NCH6028 BLK, NCH6028 WHT, YH6028 BLK, YH6028 WHT

**Applicant:** Enchante Accessories

**Test Date:** Jan.07 to Feb.24, 2025

**Standards:** FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

The above equipment has been tested by **BUREAU VERITAS ADT (Shanghai) Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**Prepared by :**

*Yuan Zhang*

**, Date:**

Feb.25, 2025

Yuan ZHANG

Project Engineer

**Approved by :**

*Sean Yu*

**, Date:**

Feb.25, 2025

Sean YU

RF Supervisor

## 2 General Information

### 2.1 General Description of EUT

#### BLE

Product	Wireless Speaker Led Lamp
Brand	--
Model	H6028A BLK, H6028A WHT, H6028B BLK, H6028B WHT, NCH6028 BLK, NCH6028 WHT, YH6028 BLK, YH6028 WHT
Difference	All models are same except appearance and model name.
Power Rating	5Vdc, 1A
Modulation Type	GFSK
Modulation Technology	Bluetooth Low Energy
Operating Frequency	2402MHz ~ 2480MHz
Number of Channel	40
Output Power	2.73 dBm
Antenna Type	PCB Antenna
Antenna Connector	--
Antenna Gain	2.57dBi

#### Note:

1. For more details, please refer to the User's manual of the EUT.
2. The cable loss of the cable from EUT will be compensated in the test data.

**BT**

Product	Wireless Speaker Led Lamp
Brand	--
Model	H6028A BLK, H6028A WHT, H6028B BLK, H6028B WHT, NCH6028 BLK, NCH6028 WHT, YH6028 BLK, YH6028 WHT
Difference	All models are same except appearance and model name.
Power Rating	5Vdc, 1A
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK
Modulation Technology	BT-BDR, BT-EDR
Operating Frequency	2402MHz ~ 2480MHz
Number of Channel	79
Output Power	5.50dBm
Antenna Type	PCB Antenna
Antenna Connector	--
Antenna Gain	2.57dBi

**Note:**

1. For more details, please refer to the User's manual of the EUT.
2. The cable loss of the cable from EUT will be compensated in the test data.

### 3 RF Exposure

#### 3.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1,500	-	-	F/1500	30
1,500-100,000	-	-	1.0	30

F = Frequency in MHz

#### 3.2 MPE Calculation Formula

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm<sup>2</sup>

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

#### 3.3 MPE Calculation Formula

The antenna of this product, under normal use condition, is at least 20cm from the body of the user. So the device is classified as **Mobile Device**.

#### 3.4 Calculation Result of Maximum Permissible Exposure

Frequency Band (MHz)	Max. Conducted output power(dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
2402-2480(BLE)	2.73	2.57	20	0.000674	1
2402-2480(BT)	5.50	2.57	20	0.001276	1

#### Conclusion:

The calculation result of MPE is less than the limit.

--- END ---